

In the Claims

Please amend Claims 1, 11, 19 and 22 as follows:

Suit. 2/
N 1

1. (Three Times Amended) A method of immunizing a vertebrate against an infectious agent, said method comprising administering to a vertebrate a DNA transcription unit comprising DNA encoding a desired antigen operatively linked to a promoter region, [thereby eliciting a humoral immune response, a cell-mediated immune response or both, against the desired antigen,] whereby the vertebrate is protected from disease caused by the infectious agent.

Suit. 2/
O 2

11. (Amended) A method of immunizing a vertebrate against an infectious agent, said method comprising administering to a mucosal surface of a vertebrate a DNA transcription unit comprising DNA encoding a desired antigen operatively linked to a promoter region, in a physiologically acceptable carrier, [thereby eliciting a humoral or cell-mediated immune response, or both, against the desired antigen,] whereby the vertebrate is protected from disease caused by an infectious agent.

A 19.
O 3

19. (Amended) A method of immunizing a vertebrate against influenza virus, said method comprising administering to a vertebrate a DNA transcription unit comprising DNA encoding an influenza virus antigen operatively linked to a promoter region, [thereby eliciting a humoral immune response, a cell-mediated immune response or both, against the antigen,] whereby the vertebrate is protected from disease caused by influenza virus.